

Appendix 9: Sample Environmental Results Letter

**Jasper County, Missouri, Superfund Site Follow-Up
Childhood Lead Exposure Study**

IN COOPERATION WITH
THE MISSOURI DEPARTMENT OF HEALTH
AND THE JASPER COUNTY HEALTH DEPARTMENT

105 Lincoln
Carthage, MO 64836
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Joplin, MO 64801

Dear _____:

When the Lead Study Team met with you during their visit on **June 30, 2000**, you provided information about your home and family. In addition, environmental samples were taken at your home to test for the presence of lead in the dust, paint and soil. This letter provides the opportunity to share the results of their visit with you. You are encouraged to discuss this information with a nurse or environmental specialist to learn how you and your family can reduce _____ exposure to lead. Please contact Brandon Rekus, Environmental Specialist, or Lauri Fasken, Community Health Nurse, if you have and questions regarding these environmental test results.

Dust Wipes

Several dust wipes were taken from your home. The dust wipes were taken and combined from the child's bedroom, the kitchen and possibly, from another room where your child spends time.

Dust wipes were taken from various window stools. The average concentration of lead dust was $14.61 \mu\text{g}/\text{ft}^2$. Those results exceeding $250 \mu\text{g}/\text{ft}^2$ are considered to be elevated.

The average concentration of lead dust detected on the floor surfaces (hard and carpeted) was $3.74 \mu\text{g}/\text{ft}^2$. Those results exceeding $40 \mu\text{g}/\text{ft}^2$ are considered to be elevated.

Mini Blinds

Mini blinds may contain lead. XRF testing was used to determine the amount of lead in the blinds. Dust wipes were used to show if there is dust from deterioration of the blind.

The average concentration of lead dust detected on the mini-blinds was $77.50 \mu\text{g}/\text{ft}^2$. There currently are no set standards for mini-blinds. In evaluating the results from the mini-blinds, please note whether or not there were positive results. The standard for window sill dust is $250 \mu\text{g}/\text{ft}^2$ and the potential exposure is similar for mini blinds and window sills. Therefore, replacement of mini-blinds is an effective way to reduce the risk of exposure.

The XRF results taken from the mini-blinds are listed on Table 1 (attached). There currently are no set standards for mini-blinds. The standard for paint is $1 \text{ mg}/\text{cm}^2$. Therefore, for levels above $1 \text{ mg}/\text{cm}^2$, we recommend replacement of mini-blinds.

If the dust wipe exceeded the standard associated with it but the XRF did not exceed the standard, then wet cleaning of those surfaces should be considered.

Painted Surfaces

During the visit, an environmental specialist measured lead in the paint of your home and determined the condition of the painted surface. The areas in which lead-based paint was detected are included in Table 1 (interior paint – child's bedroom, kitchen, and possibly from another room where your child spends time) and Table 2 (exterior paint). HUD and Environmental Protection Agency define lead-based paint as having a lead concentration equal to or greater than 1 milligram per centimeter squared (mg/cm²). Please discuss the areas in your home where lead-based paint has been found with the environmental specialist. (*Attach Tables*).

Soil Samples

Samples were taken in your yard from several areas. These areas included the general yard, the drip line around your home and any play areas. Samples are measured in parts per million (ppm).

The average concentration of lead detected in the general yard area was **91.20 ppm**.
Bare areas shouldn't exceed 1200 ppm.

The average concentration of lead detected in the drip line was **92.00 ppm**.
Bare areas shouldn't exceed 1200 ppm.

The average concentration of lead detected in the high-contact play area was **112.10 ppm**.
Bare areas shouldn't exceed 400 ppm.

If your yard exceeded the standards mentioned, efforts should be made to restrict the child's access to the soil.

Please discuss the specific areas in your yard where lead contaminated soil has been found with the environmental specialist. This person can indicate where each sample was taken in your yard.

If you have further questions regarding these results, please feel free to contact the Jasper County Health Department at (417) 358-0480.

Sincerely,

Tony Mochr
Administrator
Jasper County Health Department

TM/smp

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